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NOTICE OF ALLOWANCE AND FEE(S) DUE

60601

7590

10/05/2010

Muncy, Geissler, Olds & Lowe, PLLC 4000 Legato Road Suite 310 FAIRFAX, VA 22033 EXAMINER

DUONG, THO V

ART UNIT PAPER NUMBER

3744

DATE MAILED: 10/05/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/579.192	08/16/2006	Hans-Heinrich Angermann	1006/0135PUS1	6692	

TITLE OF INVENTION: HIGH-TEMPERATURE SOLDERED EXHAUST HEAT EXCHANGER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/05/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 60601 7590 10/05/2010					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
Muncy, Geissl 4000 Legato Ro Suite 310	,	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.								
FAIRFAX, VA		(Depos								
									(Signature)	
									(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.	
10/579,192	08/16/2006	•	Hans-Heinrich Angern	Heinrich Angermann			006/0135PUS1		6692	
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DUONG	F, THO V	3744	165-158000							
CFR 1.363). Change of corresp Address form PTO/S. "Fee Address" ind PTO/SB/47; Rev 03-(Number is required.	registered attorney or agent) and the names of up to									
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident th in 37 CFR 3.11. Comj GNEE	A TO BE PRINTED ON ified below, no assignee pletion of this form is NO	data will appear on th T a substitute for filing (B) RESIDENCE: (C	e par an a	tent. If an assign ssignment. and STATE OR C	OUNT	TRY)			
Please check the appropr	rate assignee category of		*						•	
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).							
5. Change in Entity Sta	ntus (from status indicate	· · · · · · · · · · · · · · · · · · ·	☐ b. Applicant is no	long	er claiming SMAI	LEN	FITY status See 37 C	FR 1 27	(g)(2)	
NOTE: The Issue Fee an	nd Publication Fee (if req	uired) will not be accepte tes Patent and Trademark	ed from anyone other th							
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an application Confiden	tiality is governed by 35 d application form to the ions for reducing this bu /irginia 22313-1450. DO	CFR 1.311. The informatic U.S.C. 122 and 37 CFR & USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	1.14 This collection is	ecti	mated to take 12 i	minutes	to complete includi	no oathe	ring preparing and	

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10/579,192	08/16/2006	Hans-Heinrich Angermann	1006/0135PUS1	6692	
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Muncy, Geissler,	Olds & Lowe, PLLO	DUONG, THO V			
4000 Legato Road			ART UNIT	PAPER NUMBER	
Suite 310 FAIRFAX, VA 22	033		3744 DATE MAILED: 10/05/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 693 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 693 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	10/579,192	ANGERMANN, HANS-HEINRICH		
Notice of Allowability	Examiner	Art Unit	<u> </u>	
	Tho v. Duong	3744		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT IN of the Office or upon petition by the applicant. See 37 CFR 1.31	pears on the cover sheet versions (OR REMAINS) CLOSED or other appropriate comparing the contract of the cover sheet versions are contracted to the cover sheet versions and cover sheet versions are contracted to the cover sheet versions and cover sheet versions are cover sheet versions and cover sheet versions are contracted to the cover sheet versions and cover sheet versions are contracted to the cover sheet versions are cover sheet versions are contracted to the cover sheet versions are cover sheet versions are covered to the covered to	vith the correspondence addre in this application. If not include nunication will be mailed in due of	d course. THIS	
1. This communication is responsive to <u>7/26/10</u> .				
2. The allowed claim(s) is/are <u>1-21</u> .				
3. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subt INFORMAL PATENT APPLICATION (PTO-152) which gires 1. CORRECTED DRAWINGS (as "replacement sheets") must be subt including changes required by the Notice of Draftspe 1. hereto or 2. To Paper No./Mail Date	we been received. We been received in Application to the submitted. We been received in Application to form the submitted in the submitted. We been received in Application in the submitted i	tion No red in this national stage applications are plus complying with the required and the reduction of the control	uirements	
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			back) of	
6. DEPOSIT OF and/or INFORMATION about the depattached Examiner's comment regarding REQUIREMENT			ote the	
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08),	6. ☐ Interview Paper N 7. ☐ Examiner	Informal Patent Application Summary (PTO-413), b./Mail Date 's Amendment/Comment 's Statement of Reasons for Allow	vance	
/Tho v Duong/ Primary Examiner, Art Unit 3744				

DETAILED ACTION

Allowable Subject Matter

Claims 1-21 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record either taken singularly or in combination fail to disclose the invention as claimed. In particular reference to Shibagaki' 480, Tatsushisa's 991 and Kure's 086 are the closet prior art but fail to disclose that the flow comprises a direct flow when said flow enters the first diffuser space from the connection piece before it is diverted by a structure and an indirect flow after the flow is diverted by the structure, wherein the material forming the cohesive join is contacted by the direct flow comprising a first connecting material and the material which form cohesive join is contacted by the indirect flow and not contacted by the direct flow comprising a second connecting material, and the compositions of the first connecting material and the second connecting material being different from one another, in combination with other limitations in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho v. Duong whose telephone number is 571-272-4793. The examiner can normally be reached on M-F.

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Art Unit: 3744

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tyler J. Cheryl can be reached on 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tho v Duong/ Primary Examiner, Art Unit 3744